

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1 – 5 (cancelled)

Claim 6 (currently amended): A circuit for supplying oxygen to aircraft passengers, comprising: ~~in a line supplying oxygen connected to a pressurized oxygen source,~~

a first pressure sensor adapted to measure a pressure in a cabin of the aircraft;

in a line supplying oxygen connected to a pressurized oxygen source, a second pressure sensor disposed in, and adapted to measure a pressure in, said line;

in the line supplying oxygen connected to a pressurized oxygen source downstream of said second pressure sensor, a servocontrolled pressure regulator that can be actuated in response to a pressure control signal supplied by an electronic control unit based upon signals indicative of pressures sensed by said first and second pressure sensors.

Claim 7 (currently amended): The circuit as claimed in claim 6, ~~characterized in that it comprises a cabin~~ wherein the first pressure sensor delivering delivers an absolute pressure signal to the electronic control unit for the generation of said control signal of the regulator.

Claim 8 (original): The circuit as claimed in claim 6, characterized in that it comprises a line bypassing the regulator and provided with a safety solenoid valve.

Claim 9 (original): The circuit as claimed in claim 6, characterized in that the oxygen supply line comprises a downstream connection to an oxygen therapy system.

Claim 10 (original): The circuit as claimed in claim 6, characterized in that the oxygen source comprises at least one pressurized oxygen cylinder.